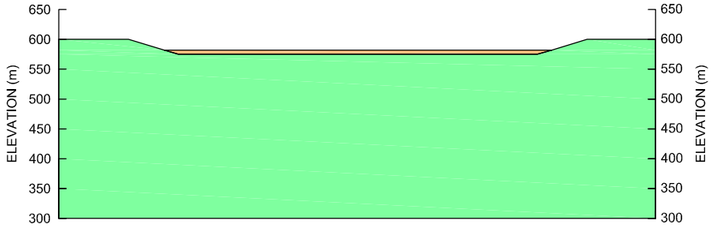
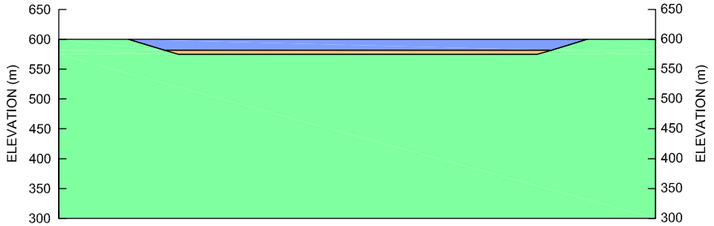
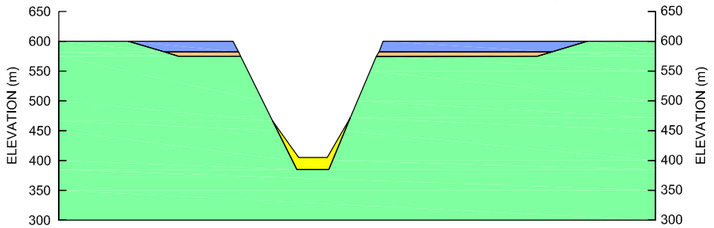
1. DOWNCUTTING OF THE UPPER PALEOVALLEY AND DEPOSITION OF THE UPPER PALEOVALLEY FLUVIAL DEPOSITS (EARLY-MIDDLE PLEISTOCENE?)



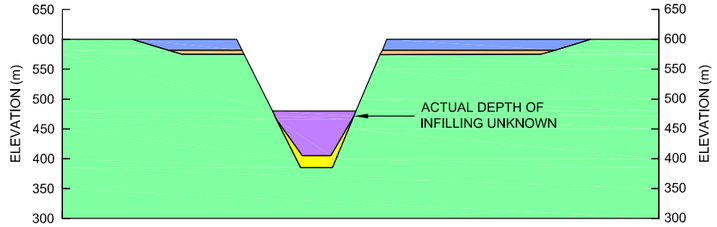
2. INFILLING OF THE UPPER PALEOVALLEY WITH GLACIOLACUSTRINE DEPOSITS OF THE PRE-MIDDLE WISCONSINAN LAURENTIDE ADVANCE (THE PENULTIMATE GLACIATION)



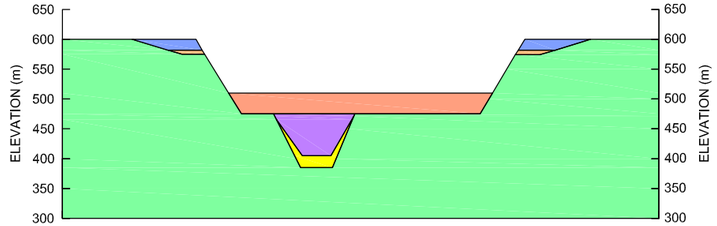
3. DOWNCUTTING OF A BASIN AND DEPOSITION OF CORDILLERAN TILL DURING A CORDILLERAN ADVANCE AND RETREAT (EARLY WISCONSINAN? ALTERNATIVELY, THE DEPRESSION MAY REFLECT AN OLDER TERTIARY PALEOVALLEY)



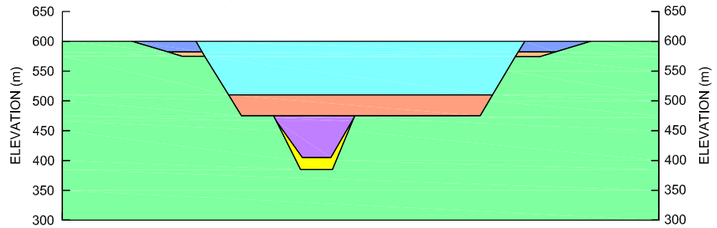
4. INFILLING OF THE CORDILLERAN BASIN WITH GLACIOLACUSTRINE (AND LOCAL GLACIOFLUVIAL AND DIAMICTON) DEPOSITS DURING CORDILLERAN RETREAT (EARLY WISCONSINAN?)



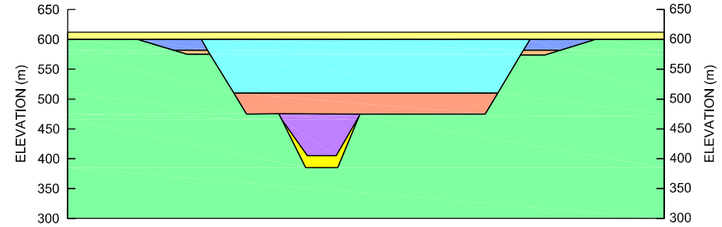
5. DOWNCUTTING OF THE LOWER PALEOVALLEY AND DEPOSITION OF THE LOWER PALEOVALLEY FLUVIAL DEPOSITS



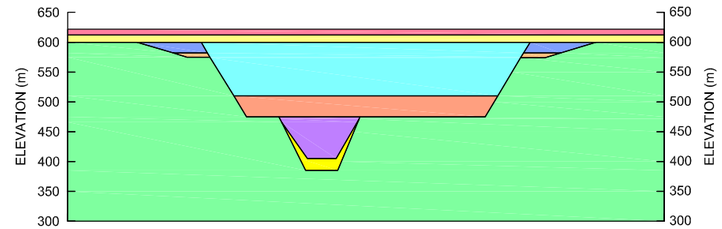
6. INFILLING OF THE LOWER PALEOVALLEY WITH GLACIAL LAKE MATHEWS DEPOSITS OF THE LATE WISCONSINAN LAURENTIDE ADVANCE (THE LAST GLACIATION)



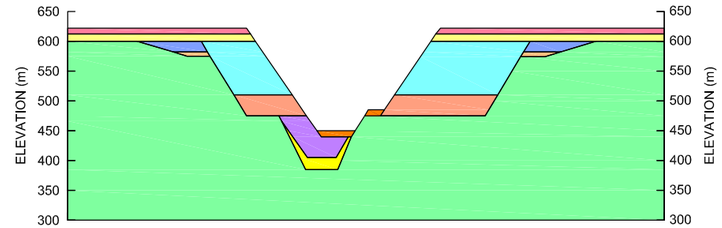
7. DEPOSITION OF THE LATE WISCONSINAN LAURENTIDE TILL



8. DEPOSITION OF THE GLACIAL LAKE PEACE DEPOSITS OF THE LATE WISCONSINAN LAURENTIDE RETREAT



9. DOWNCUTTING OF THE MODERN PEACE RIVER VALLEY AND DEPOSITION OF HOLOCENE FLUVIAL DEPOSITS (14 000 - 10 500 BP)



NOTE:
1. VERTICALLY EXAGGERATED APPROXIMATELY 10x.

LEGEND

- SAND AND GRAVEL [SG] (HOLOCENE FLUVIAL)
- INTERBEDDED SAND, SILT, AND CLAY [ISC] (GLACIAL LAKE PEACE)
- TILL [TI] (LAURENTIDE)
- INTERBEDDED SAND, SILT, AND CLAY [ISC] (GLACIAL LAKE MATHEWS)
- SAND AND GRAVEL [SG] (LOWER PALEOVALLEY FLUVIAL)
- INTERBEDDED SAND, SILT, AND CLAY [ISC] (CORDILLERAN BASIN GLACIOLACUSTRINE)
- TILL [TI] (CORDILLERAN)
- INTERBEDDED SAND, SILT, AND CLAY [ISC] (UPPER PALEOVALLEY GLACIOLACUSTRINE)
- SAND AND GRAVEL [SG] (UPPER PALEOVALLEY FLUVIAL)
- SILTSTONE [SS] OR SILTY SHALE [SSH]

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Figure 11.2.4 Interpreted valley evolution upstream of Halfway River

Date	Nov. 15, 2012	FIG NO	11.2.4	R 0

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Construction of the Site C Clean Energy Project is subject to required regulatory approvals including environmental certification